

TTLog User's Manual

Revision: A

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1: Overview

TTLog is a tonnage logging program that works with any serial- or Ethernet-enabled Toledo Integrated Systems' tonnage monitor. TTLog continuously checks the tonnage monitor and keeps a record of each stroke, including the date/time and tonnage for each corner. Each day's tonnage log is stored in a separate .csv file which can be viewed from TTLog's built-in viewer or can be exported to an application of the user's choice.



2: Installation

The installation computer must meet the following requirements:

- Microsoft Windows XP operating system or later
- Microsoft .Net Framework 3.5 or later
- An available COM Port

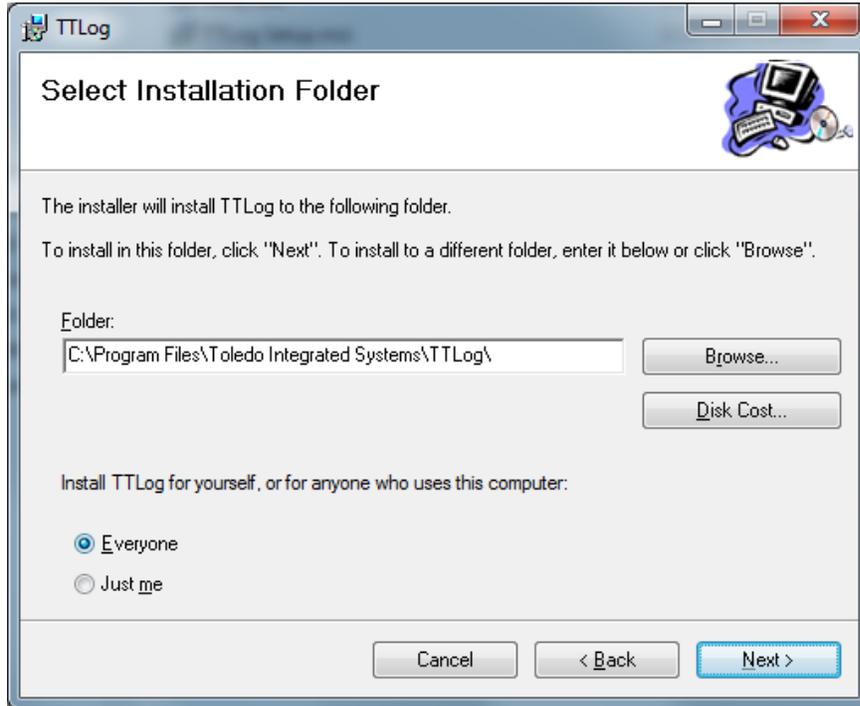
In addition, you must be logged into Windows using an account with sufficient administrative privileges in order to install TTLog.

Installation takes place on a PC that is connected to the tonnage monitor's communication port. To begin installation, double-click TTLog's **setup.exe** installation file from the PC. If the proper .Net Framework has not yet been installed, you will be prompted to download and install it prior to installing TTLog. The TTLog Setup Wizard will then start.

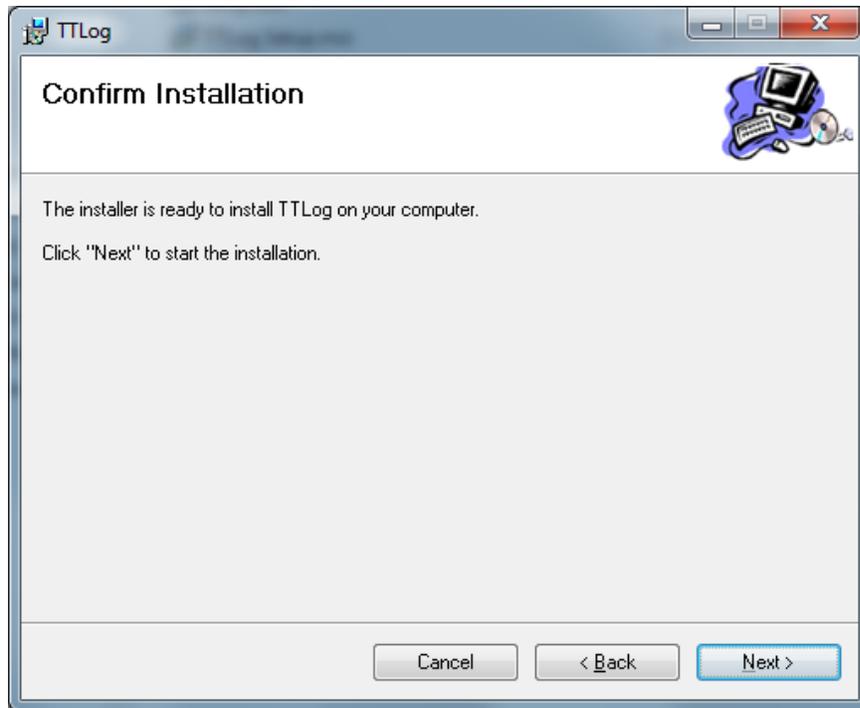


Click **Next>**.

On the next screen, specify the installation location and who will use TTLog.

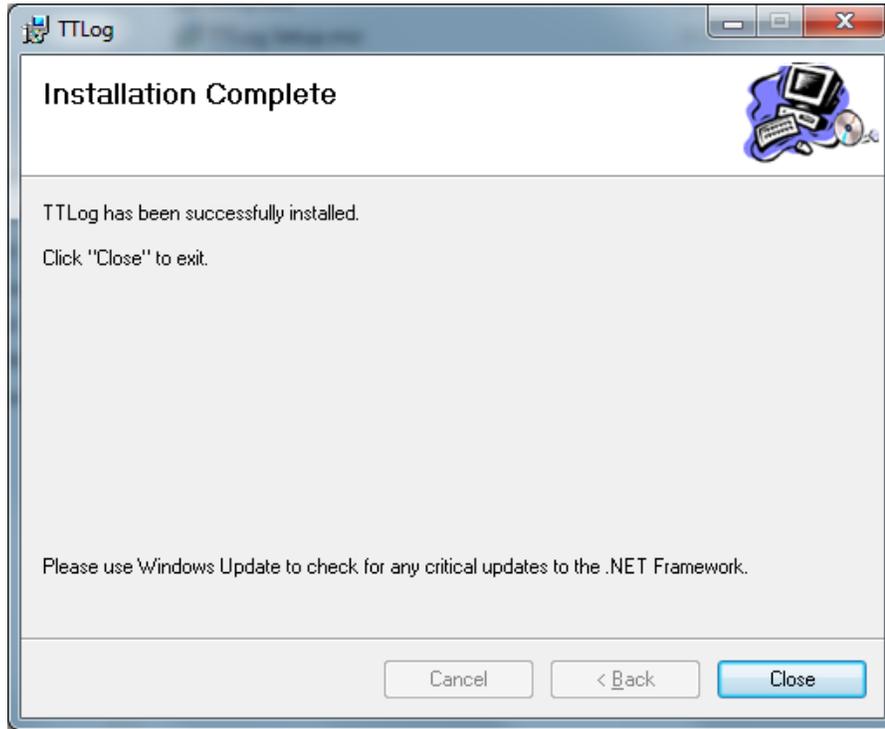


In most cases, you should accept the defaults and click **Next>**.



Finally, confirm the installation by clicking **Next>**.

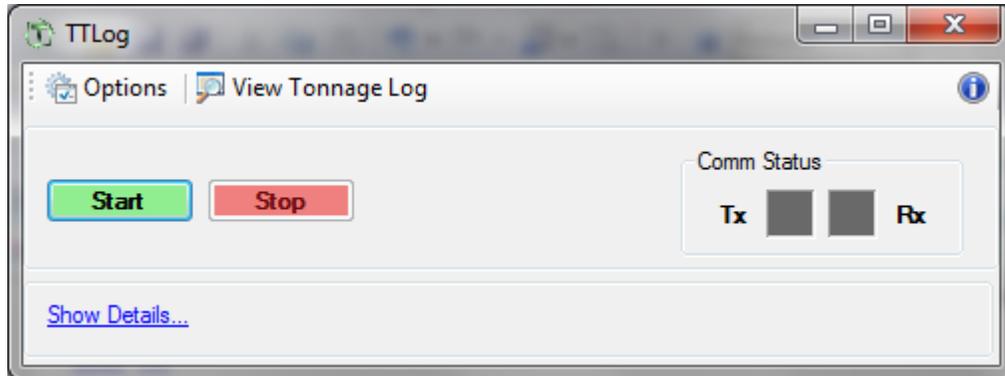
When the installation completes, click **Close** to exit the wizard.



3: Configuration

After installing TTLog, start the program by clicking **Start→All Programs→Toledo Integrated Systems→TTLog→TTLog**, or by double-clicking the TTLog desktop shortcut.

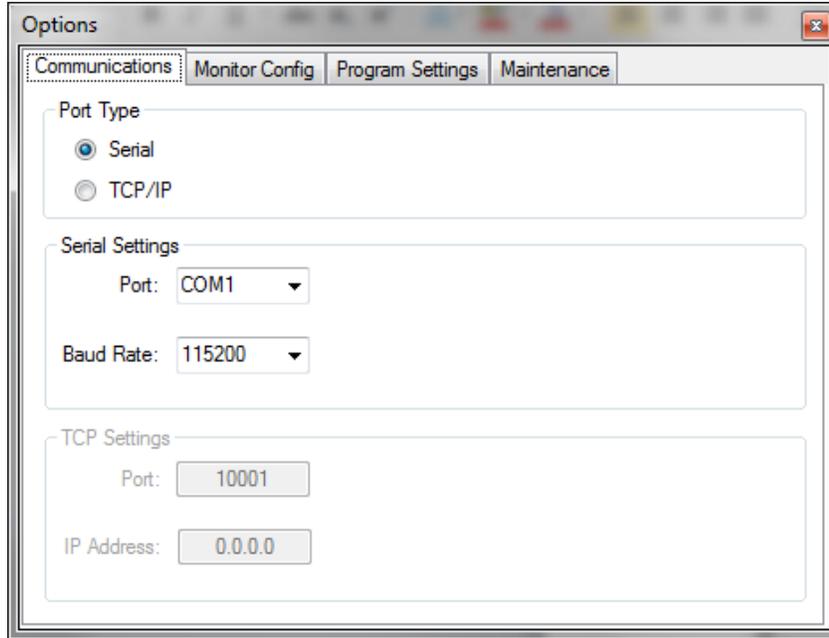
The user interface will appear.



Click the **Options** button to configure your setup.

Configure Communications Settings:

The Options → Communications tab is used to select and configure the interface that the TTLog program will use to communicate with the tonnage monitor.

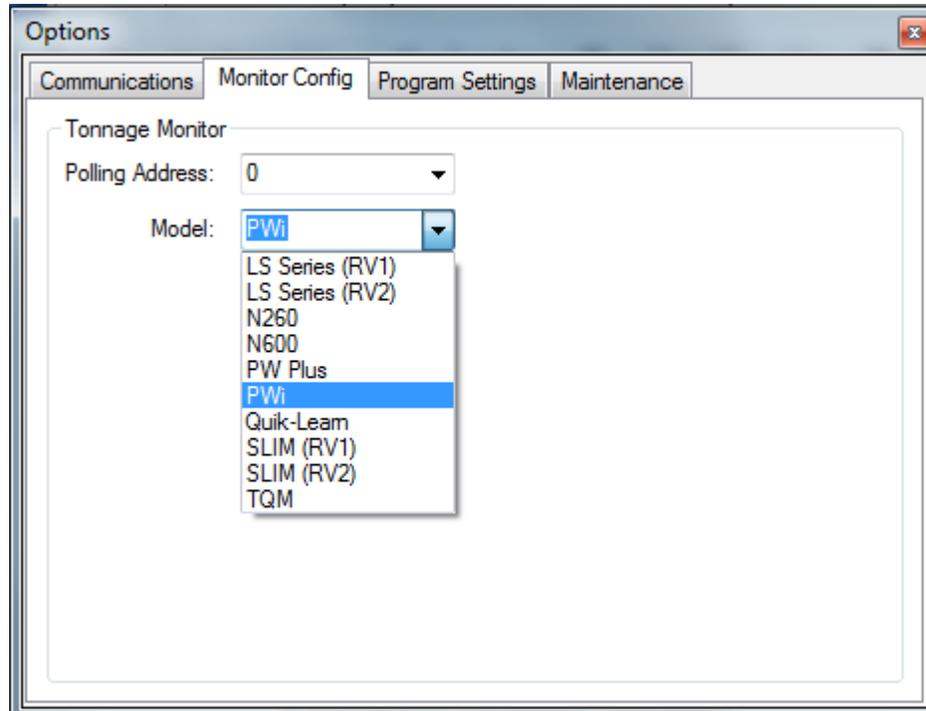


The following information is required:

- **Port Type**
Choose from the following.
 - **Serial**
Select when a COM Port will be used to connect to the tonnage monitor. This includes RS232/RS422 serial ports and redirected COM ports.
 - **TCP/IP**
Select when a direct TCP network connection will be used to connect to the tonnage monitor.
- **Serial Settings (when Port Type is set to Serial)**
 - **Port**
Select the COM Port of the computer that will be used to connect to the tonnage monitor.
 - **Baud Rate**
Select the speed of the tonnage monitor's serial port. 115200 is recommended, when possible.
- **TCP Settings (when Port Type is set to TCP/IP)**
 - **Port**
Select the TCP Port # of the connection.
 - **IP Address**
Enter the IP Address of the Ethernet device that is connected to the tonnage monitor's communication port.

Configure Monitor Settings:

The Options → Monitor Config tab is used to select and configure the type of tonnage monitor with which the TTLog program will be interfaced.



The following information is required:

- **Polling Address**

The polling address is a unique network communication address ranging from 0 to 31. Set this value to match the polling address of the tonnage monitor. If the tonnage monitor is not part of a PressNet network, the polling address will typically be 0.

- **Model**

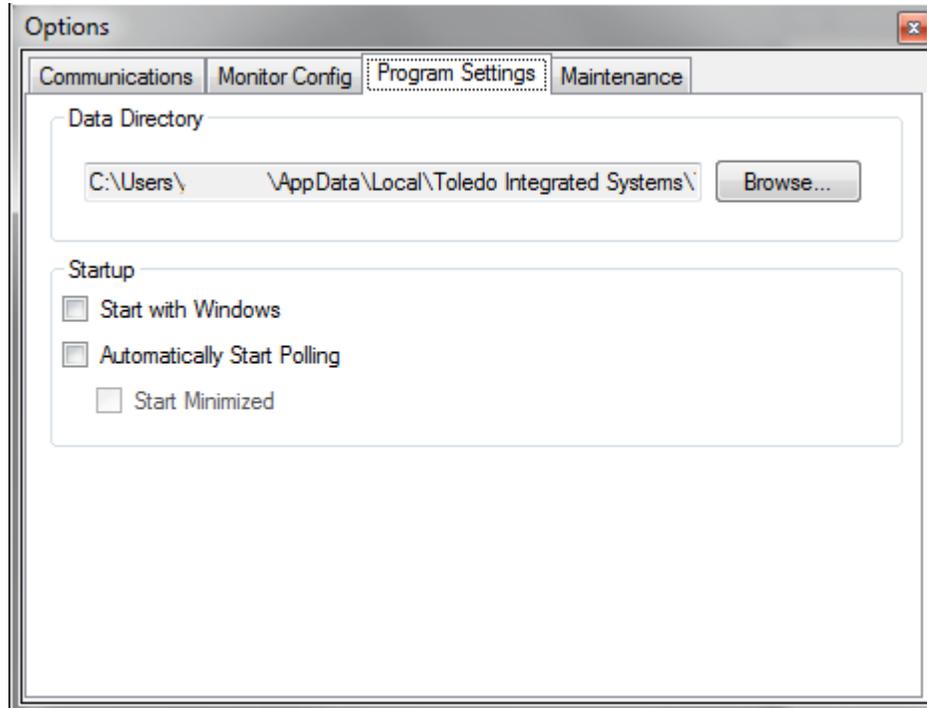
Select the model of the tonnage monitor.

- **LS Series (RV1)**
- **LS Series (RV2)**
- **N260**
- **N600**
- **PW Plus**
- **PWi**
- **Quik-Learn**
- **SLIM (RV1)**
- **SLIM (RV2)**
- **TQM**



Configure Program Settings:

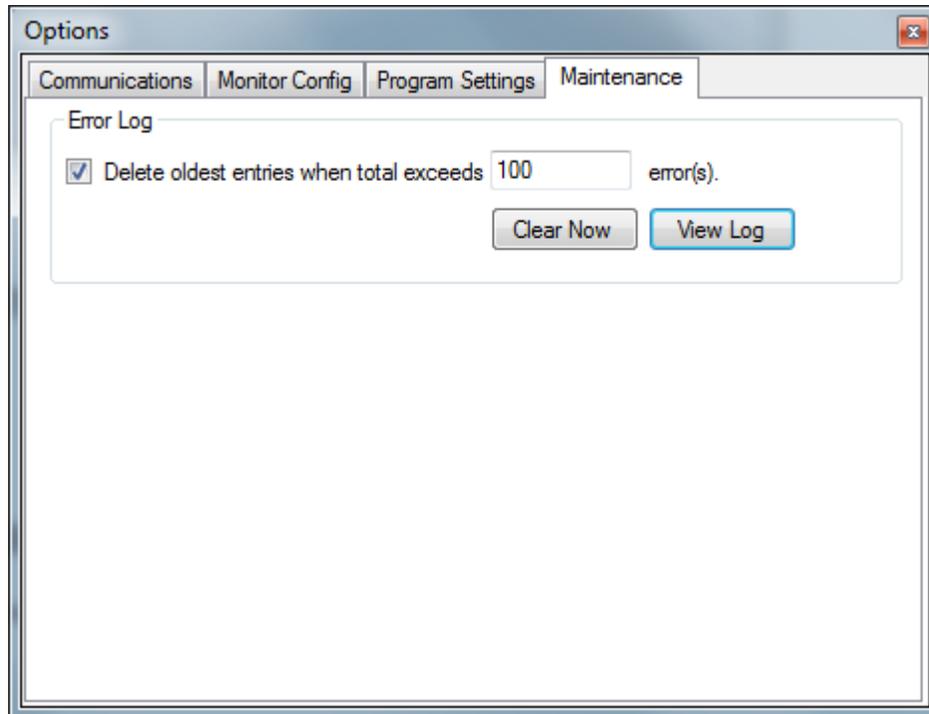
The Options → Program Settings tab is used to configure the TTLog program.



- **Data Directory**
Set the data directory to the folder where TTLog will store the load data.
- **Startup**
 - **Start with Windows**
Select this option to have TTLog open automatically when a user logs in.
 - **Automatically Start Polling**
Select this option to have TTLog automatically begin data collection when it opens. This option may be used in combination with the **Start with Windows** option.
 - **Start Minimized**
When **Automatically Start Polling** is enabled, this option will cause TTLog to start minimized to the taskbar.

Configure Maintenance Settings:

The Options → Maintenance tab is used to determine how TTLog handles its error log.



- **Error Log**

TTLog keeps a record of all errors that the program encounters. This section allows you to specify how TTLog maintains this error log.

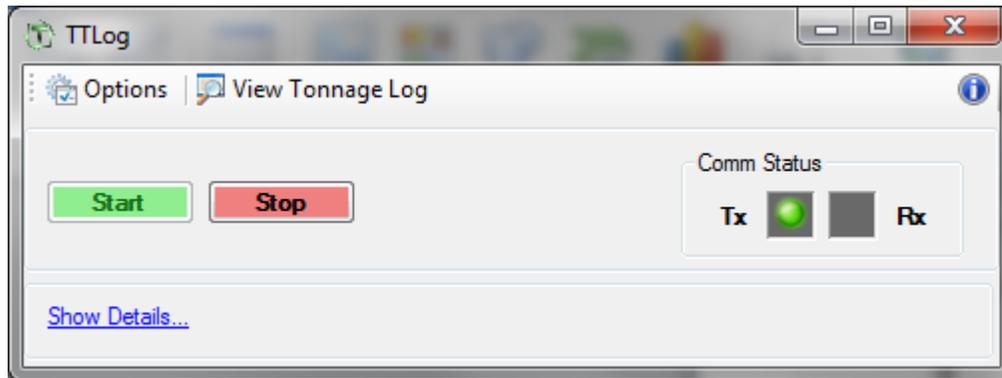
- **Delete oldest entries when total exceeds _____ error(s).**
Select this option if you would like TTLog to automatically delete old error entries. This will prevent the error log from growing too large. You can specify how many error entries the program will keep by entering a number in the text box. When this number is exceeded, the oldest entries in the log are deleted to make room for the new entries (FIFO).
- **Clear Now**
Click this button to purge oldest entries from the error log immediately.
- **View Log**
Click this button to open the error log. You will be able to view, erase, refresh, and print the error log.

4: Operation

Once TTLog has been properly configured, you are now ready to start collecting tonnage data.

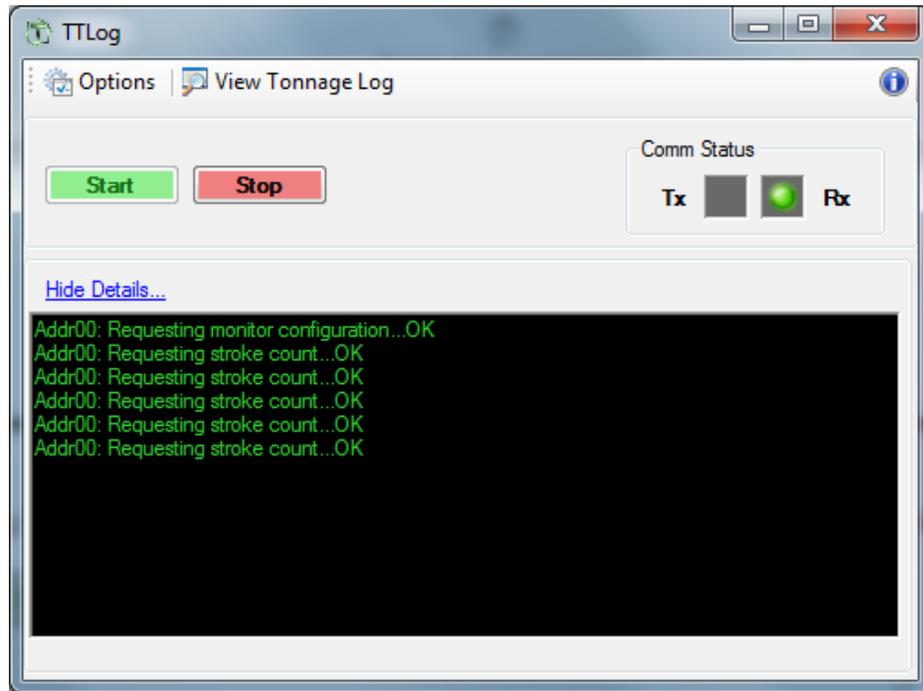
TTLog User Interface:

The TTLog user interface is shown below. The controls are very user-friendly.



- Click the **Start** button to begin the communication.
- When polling, you should see the **Comm Status** lights flash to indicate proper communication.
 - **Tx**
Flashes when TTLog sends a request for data to the tonnage monitor.
 - **Rx**
Flashes when TTLog receives data from the tonnage monitor.
- Click the **Stop** button if you would like stop the communication.

- For more information about the polling, you can click **Show Details...** to expand the status window.



The Tonnage Log:

- **About the Tonnage Log**
 - The tonnage for each day is stored in a separate .csv file.
 - The file name is saved in the format **yyyy-mm-dd.csv**
 - Each log entry consists of a timestamp, CH0 (total) tonnage, CH1 tonnage, etc.
 - The format of each entry in the .csv file is as follows:
[yyyy-mm-dd hh:mm:ss],[CH0 tons],[CH1 tons],.....[CHx tons]
 - The .csv files can be viewed in TTLog's viewer or they can be exported to another application.
- **Using TTLog to view the Tonnage Log**
After TTLog has recorded some load data, click the **View Tonnage Log** button on the main user interface to view the data.



The Tonnage Log viewer will open.

 A screenshot of a software window titled "Tonnage Log". The window has a standard Windows-style title bar with minimize, maximize, and close buttons. Below the title bar, there is a date selector showing "Friday, March 14, 2014" with a calendar icon, and two buttons: "Open File Location" and "Print". The main area of the window contains a table with the following data:

Time Stamp	CH0	CH1	CH2	CH3	CH4
2014-03-14 15:33:22	36.2	7.6	10.8	7.7	10.0
2014-03-14 15:33:25	36.4	7.6	10.9	8.0	9.9
2014-03-14 15:35:06	36.9	8.1	10.9	7.9	10.0
2014-03-14 15:35:08	37.1	8.3	10.9	7.9	10.0
2014-03-14 15:35:11	37.9	8.5	11.1	8.1	10.2

The viewer allows you to:

- Click the drop-down calendar to choose a date to view.
- Click the **Open File Location** button to browse to the location where the .csv files are stored.
- Click the **Print** button to send the selected day's log to a printer.